Calculation of Final Letter Grades: Cutoffs vs. Numerical

Consider a course evaluation which consists of an Assignment (40% weight) and an Exam (60%).

In Example1, a student scores in terms of raw marks 98/120 (assignment) and 169/210 (exam). In terms of raw marks, the student expects a final letter grade of an A. However, the raw mark is merely used to rank students in the class, and it is the cutoffs that determine the letter grade; thus, via cutoffs the student scores a B+ for the assignment (rather than an A) and a B+ for the exam (rather than an A). The final Letter Grade for this student is thus a B+.

	А	В	С	D	Е	F	G	Н
1	Cutoff vs.	Numeric G	rade Letter Grade	calculation E	xamples			
2	In the Cutoff method, only the unit letter grade is signficant							
3								
4	Example1							
5	Unit	Weight	Max Raw Mark	Actual				
6	Assign	40%	120	98				
7	Exam	60%	210	169				
8			Final	80.95	Numerical	Grade	Α	
9					Grade by Cutoffs		B+	< 83
10								
11	Example1							
12	Unit	Weight	Max Raw Mark	Actual				
13	Assign	40%	120	55				
14	Exam	60%	210	90				
15			Final	44.05	Numerical	Grade	E	
16					Grade by Cutoffs		D	>44
17								
18	Grade Poin	t Values	Cuttoff Assign	Cuttof Exam	Final			
19	A+	9	110	205	95.24			
20	Α	8	99	175	83.00			
21	B+	7	91	160	76.05			
22	В	6	85	151	71.48			
23	C+	5	76	130	62.48			
24	С	4	69	120	57.29			
25	D+	3	61	110	51.76			
26	D	2	55	90	44.05			
27	E	1	40	70	33.33			
28	F	0	0	0	0.00			
20								

Note that the Final cutoffs are calculated from the individual cutoffs in the same way. For example, the final cutoff for a Letter Grade of an A+ is 95.24 = ((C19/120)*0.4 + (D19/210)*0.6)*100.

The final cutoff for a Letter Grade of an A is 83 = ((C20/120)*0.4 + (D20/210)*0.6)*100.

In Example2, the student expects a final Letter Grade of an E (fail) but in fact passes with a D.